

RESEARCH, EDUCATION, AND ECONOMICS AGRICULTURAL RESEARCH SERVICE www.ars.usda.gov

"Solving Problems for the Growing World"

VACANCY ANNOUNCEMENT

Announcement Number: ARS-X5E-0358

Demo/Alternative Merit

Promotion

Position Title/Series/Grade:

Air Conditioning Equipment Mechanic

WG-5306-10

More than one position may be filled from this

announcement

Promotion Potential: WG-10

Employment Type: Full-time - Permanent

Grade and Salary Range:

WG-10 \$21.24 - \$24.82 Per Hour

Location of Position:

Research Facilities Solutions Systems Maintenance Branch

Beltsville, MD

Who Can Apply (You must include a statement in your application that you are a U.S. citizen to be considered for this

position): All U.S. Citizens

Opening Date: September 19, 2005

Closing Date: Open Until Filled – First cut-off date

will be October 11th with subsequent cut-off dates

every three weeks

For copies of vacancy announcements and/or application materials, please call (301) 504-1482. For additional information regarding employment opportunities, please visit http://www.afm.ars.usda.gov/hrd/jobs/apply.htm.

Contact Information

Human Resources Specialist:

Susan Mooring (301) 504-1360

DC Relay Service: (202) 855-1234 (TDD)

Send Applications to:

USDA, Agricultural Research Service

Human Resources Division

Attn: Susan Mooring

5601 Sunnyside Avenue, Stop 5104

Beltsville, MD 20705-5104

Fax: (301) 504-1535

E-mail: scirecruit@ars.usda.gov

Applications must be received, e-mailed or faxed by the cut-off date of the announcement, to be considered within that cut-off period. Applications received in Government envelopes will not be considered.

Please take advantage of the Application Package Checklist at the end of this announcement to ensure your application is complete.

Applications will also be accepted from USDA Surplus and Federal Displaced Employees in the commuting area.

Major Duties:

This position is located in the Facilities Services, Systems Maintenance Branch. The selectee will perform tasks related to refrigeration and air conditioning systems in offices, laboratories, special purpose areas and similar facilities. Duties will include, but are not limited to planning and calculating heat loads, humidity and refrigeration requirements; preparing sketches, circuit diagrams and interpreting blueprints and specifications; installing, repairing and maintaining a variety of commercially made laboratory equipment, such as freeze dryers and refrigerated centrifuges; installing, repairing and maintaining commercially designed climatic controls and systems in laboratory or other facilities; installing, servicing and maintaining control systems using electric, electronic, solid state and pneumatic controls; installing, maintaining, adjusting, repairing, dismantling and overhauling large, complex refrigeration and air conditioning systems; detecting and correcting leaks in refrigeration systems, and testing overhauled or reconditioned systems.

Qualifications Required: Your education and experience will be evaluated against all qualification requirements (basic and any additional requirements) listed below.

Basic Requirements

Applicants must have experience and/or training of sufficient scope and quality to perform the duties required. Applicants will be rated in accordance with their knowledge and skill in the job elements listed below.

- 1. Ability to do the work of an Air Conditioning Equipment Mechanic without more than normal supervision. (This is the screen-out element. Applicants who are not rated satisfactory on the screen-out will not be rated on the remaining elements).
- 2. Knowledge of equipment assembly, installation, repair, etc.
- 3. Technical Practices (theoretical, precise, artistic)
- 4. Ability to interpret instructions, specifications, etc. (includes blueprint reading).
- 5. Ability to use and maintain tools and equipment.
- 6. Troubleshooting.

If qualifying all or in part based on your education, please submit a copy of your college transcripts OR a list of college courses with credit hours, dates completed, and grades received. If this information is not provided, your education may not be appropriately evaluated and you may lose consideration for this position. If your qualifications are based in any part on education and you are selected for this position, you will have to provide an official copy of your academic transcripts prior to entering on duty.

Applicants who do not meet the screen-out element will not receive further consideration. **Supplemental Questionnaire**: Applicants will be required to complete a supplemental questionnaire. **The questionnaire** is attached. Applicants who fail to complete and return the questionnaire will not receive further consideration.

Working Conditions and Other Considerations:

WORKING CONDITIONS: The work is performed inside and outside. Incumbent is subject to burns, electrical shocks, cuts and bruises and sudden changes in temperature from hot to cold. Is exposed to the possibility of toxic effects on eyes, skin and respiratory system when working with refrigerant gases.

As a condtion of employment, the incumbent must be available for on-call duty outside normal duty hours. Employees may be required to work weekends, holidays, or before/after normal duty hours when necessary. Employee may be required to report for duty during emergencies, critical periods or during times when the Government is closed due to inclement weather.

CERTIFICATION/LICENSE REQUIREMENTS

Must possess and maintain a Universal (Types I, II and III) technician certification for refrigerant transition and recovery.

Must possess and maintain a valid State-issued driver's license to operate a Government-owned motor vehicle.

Additional Requirements:

A PHYSICAL EXAMINATION IS REQUIRED FOR NEW FEDERAL APPOINTEES PRIOR TO APPOINTMENT.

PHYSICAL REQUIREMENTS: Considerable physical effort is used when working on parts or systems that are in hard to reach places. Employee must bend, stoop, kneel and work in tiring and uncomfortable positions. Must frequently carry and set up parts and equipment that weigh 30 to 50 pounds.

SUPPLEMENTAL QUESTIONNAIRE Air Conditioning Equipment Mechanic WG-5306-10 ARS-X5E-0358

ELEMENT 1

Ability to do the work of an Air Conditioning Mechanic without more than normal supervision

| (This is the screen-out element. Applicants who are rated on the remaining elements). | • |
|--|---|
| | ditioning systems that consist of a variety of functions, , cleaning, filtering and/or circulating air. Include the |
| | |
| Describe your level of independence planning and la | aying out major work assignments. |
| | |
| Indicate below, your experience installing and repair requirements and/or for various structures. <i>Be sure</i> | |
| Warehouse Ships Hospitals Apartment complex Large office buildings Submarines | Communication Centers Electronic Data Processing Center Operating Rooms Laboratories Link Training Rooms Other (specify) |
| Indicate your experience working with systems using apply | g a variety of air conditioning methods. Check all that |
| Mechanical Compression Absorption Air Cvcle | Vapor CompressionSteam Jet Cycle (breezes/swamp coolers)Water Cooled Condensers |

ELEMENT 2-E

Knowledge of Equipment Assembly, Installation, Repair, etc.

List the different types of equipment, assemblies, or components on which you have worked. Use the "type of experience" codes below that best describes your level of experience with each type of equipment listed. Use all codes that apply

1-Assembled 2-Disassembled 3-Installed 4-Tested

5-Calibrated 6-Adjusted 7-Maintained 8-Repaired

9-Overhauled 10-Troubleshooting 11-Modified

Equipment <u>Mft./Model</u> <u>Size/Capacity</u> <u>Type of Experience</u>

ELEMENT 25-E

Technical Practices (theoretical, precise, artistic)

| Describe an experience when you were requassignment. | uired to use judgment and creativity to complete an |
|---|--|
| Use the codes below that best describes you | ur knowledge of the following principles and theories |
| 1-Some knowledge/require assistance | 2-Expert Knowledge |
| 3-Experience training others | 4-No knowledge |
| Refrigeration CycleRefrigerant tablesPressure-temperature characteristics | Heat transfer laws Calculate air flow |
| Using the same codes as above, describes y | our knowledge of the following: |
| Compressors Gear Reciprocating Centrifugal Rotary pump Other (Specify) | Refrigerant Controls Low & high pressure side floats Automatic thermostatic expansion valves Capillary Choke types Other (specify) |
| Motor Controls Hermetically sealed motors Pressure controls Thermostatic motor Full defrosting controls Semi-automatic controls Relays Other (Specify) | |

ELEMENT 75-B

Ability to interpret instructions, specifications, etc. (Includes blueprints and schematics)

| Check the response that describes y | our work situations. | |
|--|--|---|
| Under close supervision, follo | ws specific instructions. | |
| Follows work orders and work materials and methods used. | t from sketches or basic | blueprints which are complete in terms of |
| Interprets complex instruction | s, sketches, blueprints, | diagrams, and/or building codes. |
| Use judgment and experience | to adapt specifications | |
| Responds to frequent, new or | changed instructions of | r specifications. |
| Provides guidance and instruc | ctions to others on the fu | ull range of specifications. |
| Choose the number that best describe followed to do your work and put that | • | n the following types of instructions you have iate blank(s). |
| 1. Have not used | 2. Used with | assistance from others |
| 3. Used independently | 4. Provided | instructions to others |
| Blueprints Manufacturers' specs Work Orders Drawings with different trade s | _ Building Codes _ Technical Manuals _ Drawings symbols | Building Plans Wiring Diagrams Engineering Drawings |
| ELEMENT 81 Ability to use and maintain tools a Choose the code that best describes | | ools listed below. |
| Have not used | 2. Used with | n assistance from others |
| 3. Used independently | 4. Provided instructions to others | |
| Manometer Thermocouples Micrometer Manifold Assembly Meggar Hydrometer Flaring Tool Pipe Threader Reamer | Anamoter Psychrometer Depth Gauge Air Velocity Meter Ohmmeter Leak Detector Swedging Tool Pipe Cutter Hand Drill | Hermatic Test Equipment Torque Wrench Vernier Calipers Voltmeter Pressure Gauge Bender Oxyacetylene Torch Drill Press |

ELEMENT 95 Troubleshooting

| Check the types of experience you have had in resolving problems. |
|--|
| Locate and resolve simple problems or malfunctions through sound or appearance. Locate problems or malfunctions through detailed inspection, advanced circuit testing or diagnostics, and using testing instruments, resolve problems and malfunctions with the help of other journeymen. Locate problems or malfunctions through detailed inspection, advanced circuit testing or diagnostics, and using testing instruments, resolve problems and malfunctions independently, Locate and diagnose difficult problems or malfunctions requiring specialized knowledge. Provide consultation to other workers in resolving difficult problems or malfunctions. |
| I possess a valid Motor Vehicle Operator's License (Driver's License). |
| Yes No IF YOU ANSWERED YES, PLEASE ATTACH PROOF OF POSSESSION – your application will not be considered without proof |
| I possess a valid Universal (Type I, II, and III) technician certification for refrigerant transition and recovery. |
| Yes No IF YOU ANSWERED YES, PLEASE ATTACH PROOF OF POSSESSION – your application will not be considered without proof |
| I certify that all of the preceding statements on this SUPPLEMENTAL QUESTIONNAIRE are correct and true to the best of my knowledge. |
| |
| Signature & Date |

Other Important Information

Benefits Package:

A Benefits Package is authorized for this position. Additional information about Federal benefits can be obtained at www.usajobs.opm.gov/ei61.htm.

Veteran's Preference:

For further details, call the U.S. Office of Personnel Management (OPM) at 703-724-1850 or TDD 978-461-8404. Select General Information on the Federal Employment Policies and Procedures, and then Veterans Preference and Special Appointing Authorities for Veterans. Visit their VetGuide website at http://www.opm.gov/veterans/html/vetguide.asp.

Relocation Expenses:

Payment of relocation expenses will be determined in accordance with P&P 412.5, Recruitment and Retention Incentives and Other Special Pay, Sections 6 and 7, as amended by Bulletins 03-402 and 05-412.5, which may be found at http://www.afm.ars.usda.gov/ppweb/412-05.htm#H10. See also http://www.afm.ars.usda.gov/hrd/staffing_recruit/reloweb.htm.

Financial Disclosure Requirement:

Federal employees are subject to prohibitions against officially dealing with outside organizations in which they have a financial interest. You may be required to submit a financial disclosure report if hired for this position.

False statements:

If you make a false statement in any part of your application, you may not be hired; may be fired after beginning work; or may be fined or jailed.

Optional Form 306, (Declaration for Federal Employment):

If you are selected for this position, you will be required to complete this form before an offer may be made.

USDA Surplus/Federal Displaced Employees:

USDA Surplus/Federal displaced employees must submit documentary evidence of eligibility. Well qualified surplus and displaced employees within the local commuting area will receive selection priority as provided by OPM regulations. Well-qualified means the applicant meets the basic qualification and eligibility requirements and all selective placement factors; is rated above minimally qualified against the KSAs or quality criteria; and is able to satisfactorily perform the duties of the position upon entry. Applicants must submit the following:

- 1) a copy of your RIF Separation Notice or Certification of Expected Separation or other documentation indicating that you are a surplus employee;
- 2) evidence of full performance level of current position;
- 3) a copy of your most recent performance appraisal; and
- 4) a copy of your most recent SF-50, Notification of Personnel Action, to verify reassignment eligibility.

Selective Service System:

Males over age 18 who were born after December 31, 1959, must have registered with the Selective Service System (or have an exemption) to be eligible for Federal employment.

Reasonable Accommodation:

Reasonable accommodation may be provided to applicants with disabilities. If you need a reasonable accommodation for any part of the application and hiring process, or have questions regarding reasonable accommodation and/or accessibility for any part of the application and hiring process, please contact the Disability Program Manager on 202-720-6161 or through the DC Relay Service on 202-855-1234 (TDD). The decision to grant reasonable accommodation is made on a case-by-case basis.

Civil Rights Policy Statement:

The U.S. Department of Agriculture (USDA) is an equal opportunity employer and provider. Discrimination is prohibited in all USDA programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's Target Center on 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410 or call 202-720-5964 (voice and TDD).

Application Package Checklist

If application packages do not contain all of the requested information, you may lose consideration for the job. To help you ensure your application fully outlines your qualifications and eligibility for this position, please submit the following documentation.

| | Optional Form 612 (Optional Application for Federal Employment), SF-171 (Application for Federal Employment), Resume, Curriculum Vitae, or other document outlining your qualifications (Go to http://www.opm.gov/forms/html/of.asp and scroll down to obtain the OF-612). |
|-----|--|
| The | e following information is required of all applicants: |
| | Announcement number, title, and grade(s) of the position |
| | Full name, mailing address (including zip code) and day and evening phone numbers (with area code) |
| | Social security number |
| | Statement that you are a U.S. citizen (if not using the OF-612 or SF-171) |
| | Copy of DD Form 214 (Certificate of Release or Discharge from Active Duty) (if claiming veterans preference) (Visit the following web site for additional information: http://www.opm.gov/employ/veterans/html/vetguide.asp |
| | SF-15 (Application for 10-point Veteran's Preference) plus the support documentation required by this form (if claiming 10-point veterans preference) (Go to the web site at http://www.opm.gov/forms/html/sf.asp to obtain form.) |
| | Paid and non-paid work experience related to the position. For each period of work experience include: Job titleSeries/grade (if Federal employment)Duties and accomplishmentsEmployer's name and addressSupervisor's name and contact informationStarting and ending dates of employment (at least month & year)Number of hours worked per weekSalaryIndicate if we may contact current supervisor/employer |
| | Other job related information, such as training courses (title & year); skills (e.g., other languages, computer software/hardware, tools, etc.) Certificates/licenses (current) Honors, awards, and special accomplishments Supplemental questionnaire if applicable (usually for Federal Wage System positions - WG, WL, WS) |
| | Copy of college transcripts (if qualifying all or in part on the basis of education for this position) (If you have non-conventional education, e.g., foreign study, continuing education units, life experience, etc., go to the web site at http://www.opm.gov/qualifications/SEC-II/s2-e4.htm#e4a and look under the heading |

| "Other Education" for information governing acceptability of this type of education.) |
|--|
| Copy of SF-50 (Notification of Personnel Action) to verify possession of competitive civil service status (if you are a current or previous federal employee) |
| Copy of most recent performance appraisal (if you are a current federal employee) |
| Second copy of application package (if the position is open to candidates outside the federal government AND if you are a current federal employee or a candidate with reinstatement eligibility and wish to be considered under both merit promotion and competitive examining procedures). |
| Support documentation for eligibility for special hiring authorities, such as disability, Peace Corps service, etc. (If you have questions about whether you are eligible for a particular hiring authority, please call the servicing HR specialist or visit the web site at http://www.usajobs.opm.gov/a2.htm and scroll down to the subject heading, "Category".) |
| Support documentation if you are a USDA surplus or federal displaced employee (See pertinent section under "Other Important Information" below.) |
| Self-certification of typing speed (if required as a basic qualification for the position) |
| While not required, a separate response to the required knowledge, skills, and abilities (KSAs listed under Specialized Experience) and Selective Placement Factor(s), if present, for this position may better highlight your specific qualifications for this position. (For an explanation of KSAs, go to the web site at http://www.ars.usda.gov/careers/whatksa.html). |

If this is your first time applying for a federal job, or if you wish to view more detailed information about various aspects of applying for federal jobs, go to http://www.opm.gov/forms/html/of.asp and scroll down to access the Office of Personnel Management (OPM) Optional Form 510.